

Work Order ID 58399

May 5, 2010. 2:28:52 PM



Page 1

Item ID:	D2011-103	Accept		Setup	Start	
Revision ID:						
Item Name:	8" Mirror				Stop	
Start Date:	05/05/2010	Start Qty:	50.00			
Required Date:	12/05/2010	Req'd Qty:	50.00			
Reference:						

Approvals:	Process Plan:	<u>BP</u>	Date:	<u>10-5-05</u>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2011	Rev G								

100		PURCHASING	0.00						
Purchasing		Memo	0.00						
Purchasing		Issue P/O: <u>11834</u>							
		Velvac Mirror P/N: 708441							
		Possible supplier: UAP/NAPA							
		Material release note required							
110		Receive & Inspect for Damage & Mat'l Certs	0.00						
Packaging		Memo	0.00						
Packaging		Ensure Material Release Note is attached							
120		QC6- Inspect dimensions to drawing	0.00						
QC		Memo	0.00						
Quality Control									

10-5-05
(50)

Purch (50)

count
(50)

8/10/13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 58399

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Item ID: D2011-103

Accept



Setup Start



Revision ID:

Stop



Item Name: 8" Mirror

Start Date: 05/05/2010 Start Qty: 50.00



Cust Item ID:

Required Date: 12/05/2010 Req'd Qty: 50.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

1-Wrap mirror with plastic wrap

2- Discard Hardware & Install new hardware loosely

3- Inject 3ml of White Sikaflex adhesive per hole.

A/R Sikaflex-291

Batch 1113423

ES 10/05/12 *(50x)*

140

0.00



QC

QC5- Inspect part completeness to step on W/O

Memo

0.00

Quality Control

8.10.10.100

counters
(450)

150

0.00



Packaging

Identify as per dwg & Stock Location

Memo

0.00

Packaging

326

10.5.20 *(50x)* *SP*

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Work Order ID 58399

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May 5, 2010 2:28:52 PM

Item ID: D2011-103

Accept



Setup Start



Revision ID:

Stop



Item Name: 8" Mirror

Start Date: 05/05/2010 Start Qty: 50.00



Cust Item ID:

Required Date: 12/05/2010 Req'd Qty: 50.00



Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/05/25

MF
10-5-21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Picklist Print

Page 1

May 5, 2010 2:28:56 PM

Work Order ID: 58399

Parent Item: D2011-103

Parent Item Name: 8" Mirror

Comments: IPP: J04.09.15 Added Steps 5-7 KJ/JLM
IPP K 08.11.06 dwg rev G EC verified by: DD IPP rev L
10.01.13 added wrap per ncr09-118 EC verified by:DD

Start Date: 05/05/2010

Required Date: 12/05/2010

Start Qty: 50.00

Required Qty: 50.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
AN960JD516	051017	Purchased	No			100	Each	0.0000	1			
Washer												
D3015-3		Manufactured	No			130	Each	420.0000	1			
Locknut												

Location

Loc Qty

Loc Code

ST033

420

43758

26

56701

94

58202

300

50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

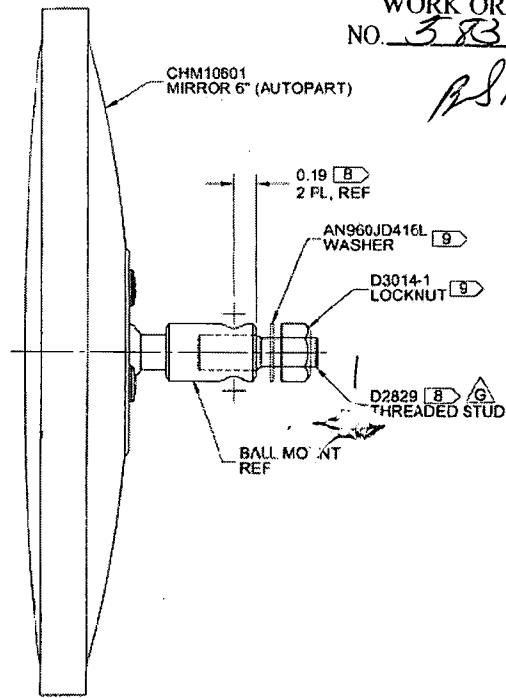
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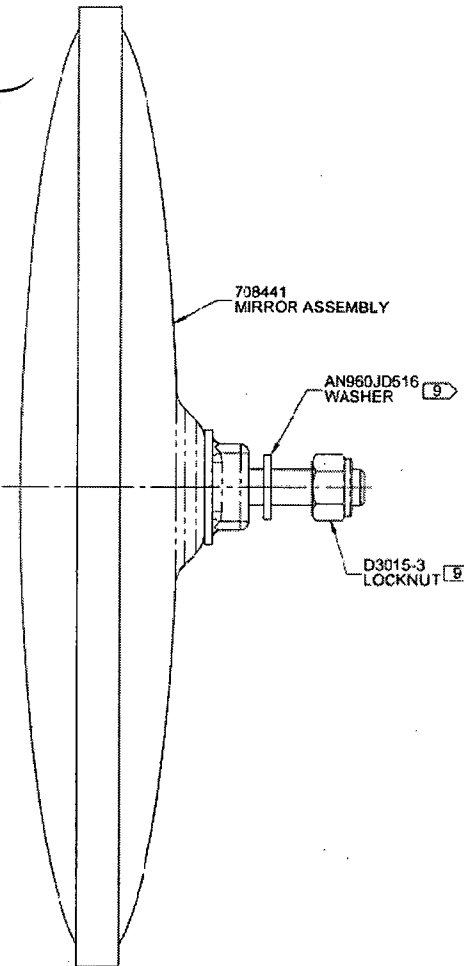
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT

WITHOUT NOTICE
WORK ORDER
NO. 38399

AS1005-5



D2011-101 MIRROR ASSEMBLY 6"



D2011-103 MIRROR ASSEMBLY 8"

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2011-101 = 0.6 lbs APPROX. ; D2011-103 = 1.0 lbs APPROX.
- 8) D2829 INSTALLATION PROCEDURE:
 - APPLY LOCKTITE 262 TO Ø5/16 END OF D2829
 - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE Ø5/16 END OF D2829 IS WITHIN BALL MOUNT
 - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
 - CRIMP TO DEPTH OF 0.040:0.010 USING R0.125
- 9) INSTALL LOOSE

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10801	MIRROR 6" (AUTOPART)
7		1	708441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

8"

RELEASED
08-10-23/11

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO "B" SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10801 WERE MIRROR 6" (GROTE) AND P/N 28043 (ZIN D3-1). ADDED D2829 (ZIN D3-1 AND ZIN C6-1). REMOVED DRILLING NOTE, VIEW A-A AND SIKAFLEX APPLICATION NOTE. REASON: GROTE PRODUCT IS DISCONTINUED	MB	08.10.06
F	ADD HOLES FOR SEALANT ON -101	CP	04.09.10
E	NEW 8" MIRROR	CP	01.05.08
D	NEW 6" MIRROR, ADD NUT, REMOVED STUD	CP	01.04.23
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED STUDS, REDRAWN	RF	99.06.01
B	SIKAFLEX 241 ADDED	JB	98.04.09
A	DWG NO. WAS DSP1011, ADDED -103	JB	90.06.15
-	NEW ISSUE	JB	90.03.31
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA	
DRAWN	JB		
CHECKED	JB	DRAWING NO.	REV. G
MFG APPR	JB	D2011	SHEET 1 OF 1
APPROVED	JB	TITLE	SCALE
DE APPR	JB	MIRROR ASSEMBLY	NTS
DATE	08.10.06	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS A TRADE SECRET AND NOT TO BE RELEASED OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11836

Purchase Order Date 05/05/2010

PO Print Date 05/05/2010

Page Number 1 of 1

Order From :

VC-UAP001

UAP HAWKESBURY INC. #074
514 MAIN STREET WEST
HAWKESBURY, ON K6A 2J2
CA

FAXED
003-8

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

613 632 8575

613 632 1539

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Brigitte Golden

10127-2607

Net 30

CAD

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	708441	MIRROR 8"	29/04/2010 Yes	50.00 Each	Yours ppd	\$16.8157	\$840.79

Special Inst: As per DWG D2011 REV:G
B#58399

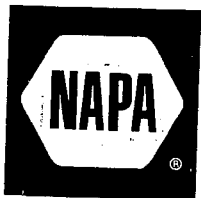
PO Total:

\$840.78

Change Nbr: 1

Change Date: 05/05/2010

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



HAWKESBURY AUTO PARTS INC 55806ST#:
514 MAIN STREET WEST
HAWKESBURY, ONT. K6A 2J2
TEL: 632-8575 FAX: 632-1539

851537896RT0001
DANGEROUS GOODS PERMIT
EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES.
DATE D'EXPIRATION:

EMERGENCY TELEPHONE NUMBER 24 HOURS
CANUTEC 613-996-6666
NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES
CANUTEC 613-996-6666

ACCT #
N° COMPTE

SOLD TO / VENDU À

DATE

TIME
HEURE

STORE #
N° MAGASIN

EMP #
N° EMPL.

INVOICE NO.
N° FACTURE

01601 DART AEROSPACE LTD
SR # 1270 ABERDEEN STREET
40 HAWKESBURY, ONTARIO
AD K6A 1K7
4

5/05/10 15:11 060004074 31 279421

PURCHASE ORDER #
N° BON DE COMMANDE

ATTENTION

118367

TAX EXEMPTION /

EXEMPTION DE TAXE:

6122-5207

TERMS:

CONDITIONS:

NET 30 DAYS

CHARGE SALE

DELIVERY:

LIVRAISON:

PART NUMBER / N° PIÈCE

LN

DESCRIPTION

QUANTITY
QUANTITÉ

PRICE / PRIX

NET

TOTAL

008441

GRO

CONVEX MIRROR

50.00

25.870

23.950

1197.50 1150

Avant 9:30

8/10/13

REFUNDED BY

VERIFIED BY

SIGNATURE

ALL GOODS RETURNED MUST BE ACCOMPANIED BY THIS INVOICE
TE MARCHANDISE RETOURNÉE DOIT ÊTRE ACCOMPAGNÉE DE CETTE FACTURE

Subtotal

Tax 5% GST ONLY

Tax 0%

1197.50

55.88

0.00

TOTAL ----- CHARGE SALE 1257.38